

Recombinant Human ADO Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADO-866H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADO MS Standard C13 and N15-labeled recombinant protein (NP_116193) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Human thiol dioxygenases include cysteine dioxygenase (CDO) and cysteamine (2-aminoethanethiol) dioxygenase (ADO; EC 1.13.11.19). CDO adds 2 oxygen atoms to free cysteine, whereas ADO adds 2 oxygen atoms to free cysteamine to form hypotaurine.
Molecular Mass	29.9 kDa
AA Sequence	MPRDNMASLIQRIARQACLTRGSGWGGRGASDRDAASGAEAPMQPGFPENLSKLK SLLTQLRAEDLNIAPRKATLQPLPPNLPPVTYMHYETDGFSLGVFLLKSGTSIPLHDH PGMHGMLKVLYGTVRISCMCLKDAGGGQRPRALPPEQQFEPPLQPREREAVRPGV LRSRAEYTEASGPCILTPHRDNLHQIDAVEGPAAFLDILAPPYDPDDGRDCHYYRVL EPVRPKEASSSACDLPREVWLLLETPQADDFWCEGEPYPGPKVFPTRTRPLEQKLIS EEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ADO 2-aminoethanethiol dioxygenase \[Homo sapiens \(human\) \]](#)

Official Symbol [ADO](#)

Synonyms ADO; 2-aminoethanethiol (cysteamine) dioxygenase; C10orf22, chromosome 10 open reading frame 22; 2-aminoethanethiol dioxygenase; cysteamine dioxygenase; FLJ14547; cysteamine (2-aminoethanethiol) dioxygenase (ADO); C10orf22; DKFZp564C046;

Gene ID [84890](#)

mRNA Refseq [NM_032804](#)

Protein Refseq [NP_116193](#)

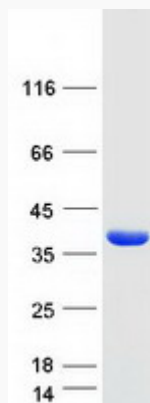
MIM [611392](#)

UniProt ID [Q96SZ5](#)

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SDS-PAGE

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